DERWENT-ACC-NO: 1985-207051
DERWENT-WEEK: 198534

TITLE: Stator for magnetic DC unit - has plastic magnet integrally moulded to
prevent drop, movement or removal of plastic magnet NoAbstract Dwg 3/3

PATENT-ASSIGNEE: HITACHI LTD[HITA]

PRIORITY-DATA: 1983JP-0236276 (December 16, 1983)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 60131055 A	July 12, 1985	N/A	003	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP60131055A	N/A	1983JP-0236276	December 16, 1983

INT-CL (IPC): H02K021/06; H02K023/04
ABSTRACTED-PUB-NO:
EQUIVALENT-ABSTRACTS:

TITLE-TERMS:
STATOR MAGNETIC DC UNIT PLASTIC MAGNET INTEGRAL MOULD PREVENT DROP MOVEMENT
REMOVE PLASTIC MAGNET NOABSTRACT

ADDL-INDEXING-TERMS:
DIRECT CURRENT

DERWENT-CLASS: A85 V06

CPI-CODES: A12-E08;

EPI-CODES: V06-M02; V06-M07;

DERWENT-ACC-NO: 1989-055983
DERWENT-WEEK: 198908

TITLE: Motor stator with encapsulated powder-based magnets - has openings in
frame with bevelled profiles and filled by resin which encapsulates each pole
magnet

INVENTOR: BROSSE, G

PATENT-ASSIGNEE: VALEO[VALO]

PRIORITY-DATA: 1987FR-0009162 (June 23, 1987)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
FR 2617344 A	December 30, 1988	N/A	011	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
FR 2617344A	N/A	1987FR-0009162	June 23, 1987

INT-CL_(IPC): H02K001/18; H02K021/06 ; H02K023/04

ABSTRACTED-PUB-NO: FR 2617344A
BASIC-ABSTRACT: Each permanent magnet pole piece (4) of an electric motor's
stator (1) is formed of a selected alloy powder which is moulded either with a
suitable binder, or under pressure, to match its location in the stator frame.
Bevelled openings (3) are provided in the latter adjacent to each such
location, and the pole pieces have stepped ends.

Each pole piece (4) is encapsulated by in-situ injection moulding of a suitable
magnetic plastic (6). This fills the openings (3) and forms a thin skin (5)
over the pole piece face which leaves the associated magnetic circuit
unaffected. Its end sections (6) and skin (5) secure the pole pieces in place,

simultaneously giving protection against atmospheric contamination where a
corrosive environment exists.

ADVANTAGE - Encapsulation system for powder-formed permanent magnet poles both
secures them firmly in place and protects iron elements from atmospheric
contamination.

CHOSEN-DRAWING: Dwg.1/4

TITLE-TERMS:
MOTOR STATOR ENCAPSULATE POWDER BASED MAGNET OPEN FRAME BEVEL PROFILE FILLED
RESIN ENCAPSULATE POLE MAGNET

DERWENT-CLASS: V06 X11

EPI-CODES: V06-M; X11-F; X11-G; X11-J01A;

SECONDARY-ACC-NO:
Non-CPI Secondary Accession Numbers: N1989-042640